

A Note about some unusual Diamonds.

THere came to our hands, some while since, a Representation of a considerable number of excellent Diamonds, sold by one Monsieur Tavernier to his King, after his last return from the *East-Indies*, whether he had made six Voyages by Land. Amongst these Diamonds there are described three of a very unusual colour; one weighing $112\frac{1}{2}$ Carats, of a very fine Violet-colour, and two of a Rose-pale colour all three of an Adamantin hardness, and upon that account esteemed Diamonds.

A certain Phenomenon, seen by Monsieur Havelius, Feb. 5. 1674. St. No. not far from Marienburg in Boroussia about the Sun a little before his setting and the Moon's conjunction, and the Sun's Eclipse, (which yet was not seen by him.)

ISaw at that time (*saieth the Observer*) the Sun, in a sky every where serene enough, being yet some degrees above the Horizon, and shining very bright, yet lancing out very long and reddish rays, 40 or 50 degrees toward the Zenith (as appears *Fig. 3.*) Under the Sun, towards the Horizon, there hung a somewhat dilute small Cloud, beneath which there appear'd a Mock-Sun, of the same bigness (to sense) with the true Sun, and under the same Vertical, of a somewhat red colour. Soon after, the true Sun more and more descending to the Horizon, towards the said Cloud (as may be seen *Fig. 4.*) the spurious Sun beneath it grew clearer and clearer, so as that the reddish colour in that apparent Solar disk vanish'd, and put on the genuine Solar light, and that the more, the less the genuine disk of the Sun was distant from the false Sun: Till at length the upper true Sun passed into the lower counterfeit one, and so remained alone; as appears *Fig. 5.*

Which Appearance being unusual, and having never been seen by me, I took the freedom of imparting it unto you, especially since here the Mock-Sun was not found at the side of the true Sun, as 'tis wont to be in all *Parbelia's* seen by me, but perpendicularly under it; not to mention the Colour, so different from

from that which is usual in Mock-Suns; nor the great length of the Tayl, cast up by the genuine Sun, and of a far more vivid and splendid light, than *Parbelia's* use to exhibit. Upon this appearance there soon follow'd here an exceedingly intense and bitter Frost, whereby the whole *Sinus Puzensis* was frozen up from this Town of *Dantzick*, as far as *Hela* in the *Baltick* Sea, which lasted unto the 25th of *March*; and the Bay was frozen so hard, that with great safety people run out into it with Sleds and Horses, for several of our Miles. Whether the recited Phænomenon have had any influence for this extreme Cold, I know not, but leave it for Astrologers to examine. Whether the like Appearance have ever been observ'd in *England*, I should be glad to be informed of.

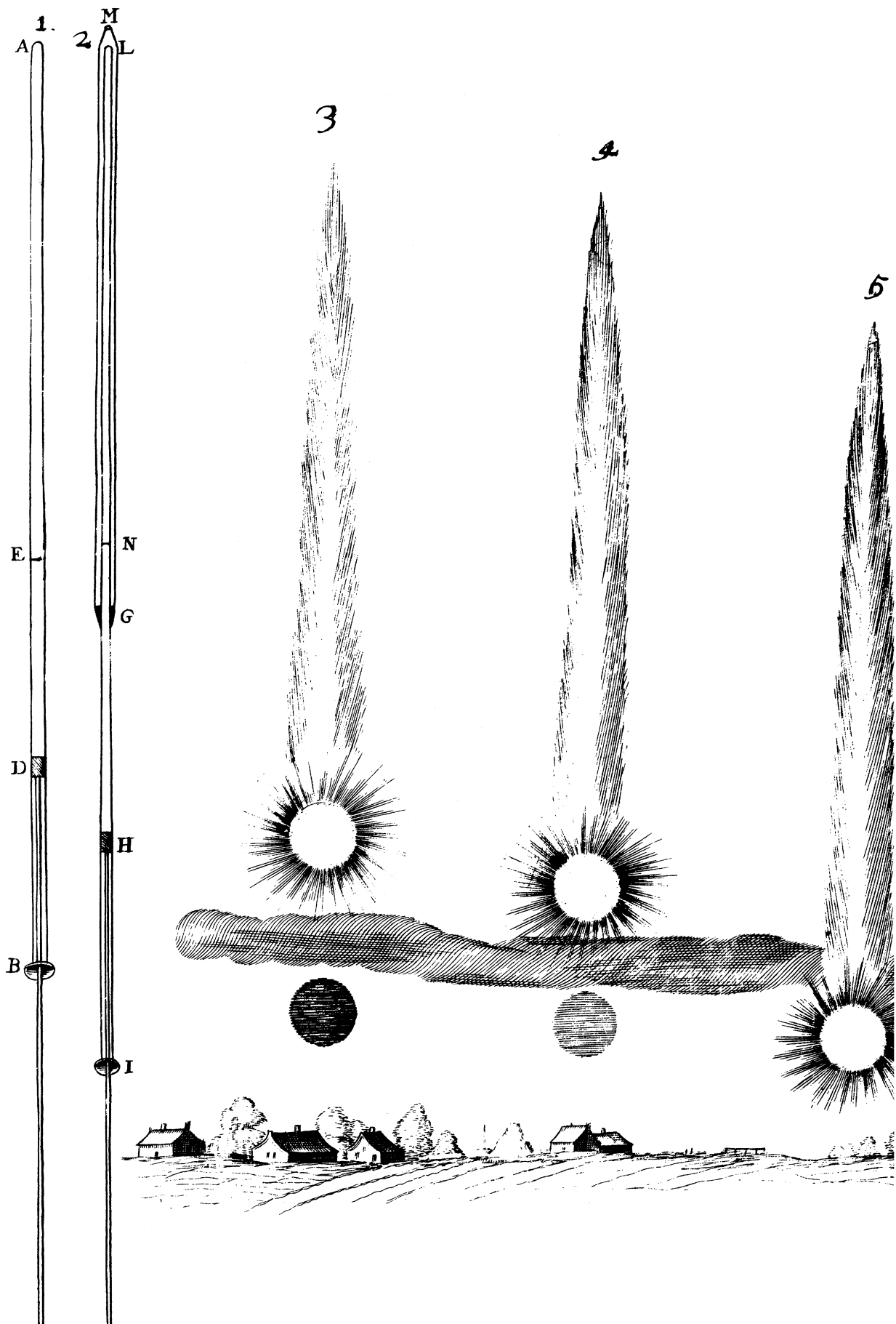
An Extract of Monsieur *Hewelms's* Letter, lately written to the Publisher, concerning the famous *Kepler's* Manuscripts; together with some considerations of his, about the use of *Telescopic Sights* in *Astronomical Observations*: Delivered in the same language, wherein 'twas written.

— — — **E**X tuis 16. Septemb. datis intellexi, Te pleniorē informati-
onem de *Kepleri Manuscriptis* desiderare. Jam ante hac, ni-
fallor, ad Vos perscripsi, me omnia *Kepleri MSS.* ab hæredibus certo pre-
tio obinuisse, tum opera jam edita, tum quadam hæcenus inedita; inter
cetera, ipsa *Epistolarum omnium* (quarum magnus numerus) ad *Clariss.*
Viros scriptarum Autographa, cum plurimorum illius temporis *Illustrum*
Virorum responsonibus. Inter *MSS.* illa inveniuntur sane quæ lucem me-
rentur, non solum plurimæ *Epistolæ*, sed & *Opera* quadam, inter qua
eminet ejus *Hipparchus*, quanquam non sit, ut par est digestus; qui tamen
posset, a quopiam harum rerum perito & otio abundante, facile in ordinem
redigi & absolvi. Possideo itidem scripta ejus *Chronologica*. At *Kepleri*
vitam studio conscriptam non invenio; interim plurima notata dignissima,
vitam ejus spectantia, passim notavi, ex quibus *Vita* ejus posset haud obscure
depingi. Quæ vero in specie ex scriptis ejus penes me habeo,
Catalogus hîce * indicabit. Ceterum percipio, *Vestrates* * Vide infra.
non omnes mihi assipulari in isto *Dioptrarum negotio*, de
quibus in *Machinæ meæ Cœlestis Organographia* tractavi. Verum, eti-
am si *Cl. Hookius*, & *Cl. Flamstedius* †, aliique, plane
aliter sentiant, experientia tamen quotidiana me edo-
cuit, atque etiamnum docet, rem longe aliter se habere
in *Magnis illis Organis, Quadrantibus scilicet, Sextan-*

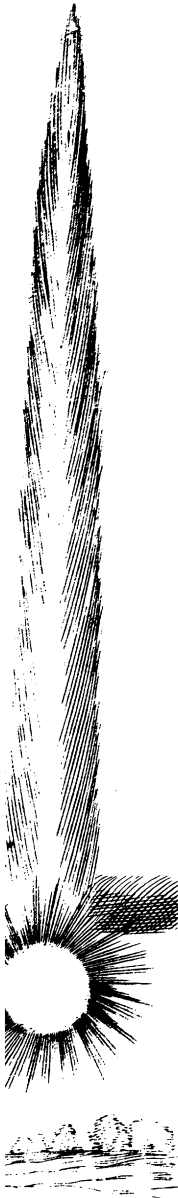
† Vid. N°. 96.
pag 6000. ubi
Flamstedius dubi-
tat, an multum
emendatiores lo-

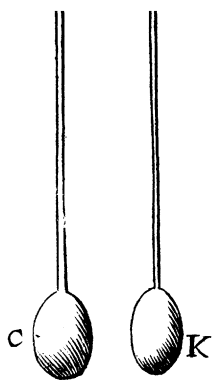
cos in *Fixarum restitutione* habituri simus ab illo, qui nonnisi *pinnacidiis vitro-*
rum cassis utitur Huc enim ex parte respicit hujus *Epistola* *Auctor*.

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